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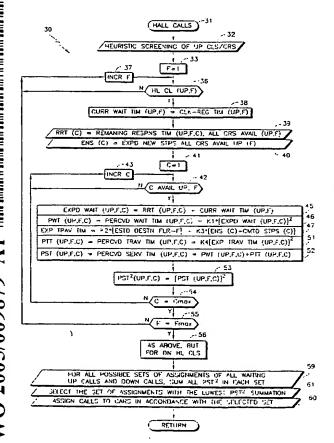
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(54) Title: ELEVATOR DISPATCHING WITH BALANCED PASSENGER PERCEPTION OF WAITING



(57) Abstract: A perceived waiting time for a hall call to be answered by a car is determined as a constant times the square (46) of the summation (45) of remaining response time (39) and the amount of time that has expired since the call was registered (38). The time that may be perceived by a passenger to travel to the passenger's destination is determined as a constant times the square (51) of the distance between an estimated destination floor and the floor of the call and a constant times an estimated number of new hall stops and committed hall stops that each car will make (47). Perceived service time is (52) the sum of perceived wait time and perceived travel time. Constants are adjusted so that a long waiting time will yield a quick travel time. Assignment of calls to cars (60) is in accordance (61) with the smallest summation of square (59) of perceived service times for all waiting up calls and down calls.

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